

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A low-friction sliding mechanism wherein a low-friction agent composition is interposed between sliding surfaces of a DLC coated sliding member (A) and a sliding member (B), wherein

the DLC coated sliding member (A) is formed by coating diamond-like carbon on a base material;

the sliding member (B) is formed with at least one kind of material selected from a group consisting of a metal material, a non-metal material and a coated material obtained by coating a thin film on a surface of the metal material or the non-metal material; and

the low-friction agent composition contains at least one kind selected from a group consisting of an oxygen-containing organic compound (C) and an aliphatic amine compound (D), the oxygen-containing organic compound (C) being at least one kind selected from a group consisting of alcohols, carboxylic acids, esters, ethers, ketones, aldehydes, carbonates and derivatives thereof.

2. (Previously Presented) The low-friction sliding mechanism according to claim 1, wherein, in the sliding member (B), the metal material is at least one kind of material selected from a group consisting of a ferrous material, an aluminum alloy material and a magnesium alloy-based material; and the coated material is formed by coating a thin film of at least one kind of material selected from a group consisting of DLC, TiN and CrN.

3. (Previously Presented) The low-friction sliding mechanism according to claim 1, wherein the coated DLC has a hydrogen content of 20 atomic percent or less.

4. (Previously Presented) The low-friction sliding mechanism according to claim 1, wherein the coated DLC has a hydrogen content of 10 atomic percent or less.

5. (Previously Presented) The low-friction sliding mechanism according to claim 1, wherein the coated DLC has a hydrogen content of 0.5 atomic percent or less.

6. (Previously Presented) The low-friction sliding mechanism according to claim 1, wherein the coated DLC is made of a-C diamond-like carbon that does not contain hydrogen.
7. (Previously Presented) The low-friction sliding mechanism according to claim 1, wherein the oxygen-containing organic compound (C) is at least one kind selected from a group consisting of alcohols, carboxylic acids, esters, ethers, ketones, aldehydes, carbonates and derivatives thereof.
8. (Currently Amended) The low-friction sliding mechanism according to claim 7, wherein the oxygen-containing organic compound (C) is contained in the range of 0.05 to 3.0% mass relative to a total mass amount of the low-friction agent composition.
9. (Currently Amended) The low-friction sliding mechanism according to claim 1, wherein the aliphatic amine compound (D) has a hydrocarbon group having 6 to 30 carbon atoms and is contained in the range of 0.05 to 3.0% mass relative to a total mass amount of the low-friction agent composition.
10. (Currently Amended) A method of friction reduction characterized in that, on sliding surfaces formed of a DLC coated sliding member (A) formed by coating diamond-like carbon and a sliding member (B) that uses at least one kind of material selected from a group consisting of a metal material, a non-metal material and a coated material obtained by coating a thin film on a surface of the metal material or the non-metal material,
one that contains at least one kind selected from a group consisting of an oxygen-containing organic compound (C) and an aliphatic amine compound (D) is supplied as a low-friction agent composition to lubricate, the oxygen-containing organic compound (C) is at least one kind selected from a group consisting of alcohols, carboxylic acids, esters, ethers, ketones, aldehydes, carbonates and derivatives thereof.
11. (Cancelled)

12. (Previously Presented) A manual transmission characterized by using the low-friction sliding mechanism according to claim 1.

13. (Previously Presented) A final reduction gear unit characterized by using the low-friction sliding mechanism according to claim 1.

14. (Currently Amended) A low-friction agent composition that is used in the low-friction sliding mechanism according to claim 1, ~~wherein characterized by containing~~ the low-friction agent composition contains at least one kind selected from the group consisting of an oxygen-containing organic compound (C) and an aliphatic amine compound (D), the oxygen-containing organic compound (C) being at least one kind selected from a group consisting of alcohols, carboxylic acids, esters, ethers, ketones, aldehydes, carbonates and derivatives thereof.

15. (Currently Amended) A low-friction agent composition that is used in the friction reduction method according to claim 10, ~~wherein characterized by containing~~ the low-friction agent composition contains at least one kind selected from the group consisting of an oxygen-containing organic compound (C) and an aliphatic amine compound (D), the oxygen-containing organic compound (C) being at least one kind selected from a group consisting of alcohols, carboxylic acids, esters, ethers, ketones, aldehydes, carbonates and derivatives thereof.